

INDEX.

ILLUSTRATIONS.

A

Acids, handling	476
Accident, remarkable	154
Acoustics, experiment in	236
Adriatic	425
Aeroplane experiments, Ferber's	315
Aeronautical prizes	250
Aeroplane, Bleriot	388
Aeroplanes, French	269
Agitator for liquids	416
Air-compressing plant, hydraulic	225
Airships, setting for	306
Airship expedition	509
Air resisting experiments	171
Alcohol acetylene mixture	248
Animals, do they reason?	515
Anthropometry, Bertillon's system	634
Automations	616
Automobiles	21
Automobile, horse	388
Automobile club house	349
Automobiles, toy	116
Automobile, somersaulting	125
Automobile, armored	249
Automobile, target trains	194
Axle, live rear	34

B

Barometer, home made	453
Battleship of the future	133
Battleship, Vermont	3
Bells, casting	292
Bicycle, motor	128
Binders, self, alarm attachment for	325
Bit brace	276
Blacking box	276
Boat, hydroplane, gliding	495
Boats, hydroplane	164
Boat, hydroplane	523
Boats, motor	161
Boring tool	316
Bottle, lock and key, for holding poison	135
Brakes, automobile	50
Brake, wagon	356
Bread comparison	445
Breathing masks and helmets	113
Bridges, unknown natural	452
Bridge, connecting, East River	405
Bridge, natural	198
Broom for smooth surfaces	216
Bucket dredge, lifting rock	173
Buffer, vehicle spring	155
Building, high	265
Bullet, mushroom	395

C

Cable-cutting device	215
Cabinet, fresh air	155
Cameras for copying	236
Campanile in New York	265
Car, sleeper and chair car	280
Carborundum and silicon detectors	234
Car de Luxe engine	24
Car ferry, Lake Erie	149
Carnegie Technical Schools	313
Carpet stretcher	275
Cars, logging	96
Chain, protected drive	29
Chassis, Dragon	30
Chassis, Grout	31
Chassis, Oldsmobile	34
Chassis, Stoddard-Dayton	31
Chuck for rock drills	116
Clock, gigantic	303
Clock, made of silver	135
Cloth, manufacture of worsted	320
Clothes line hanger	516
Clutch, multiple-disk	31
Clutch transmission	29
Coal bin, portable	296
Coaling war vessels	106
Cock, safety	276
Coffee pots, filter for	256
Colorado River closure	374
Compressed air in logging	330
Concrete block machine	75
Concrete buildings, subsidence of	154
Concrete wall construction	275
Cooking food, losses during	40
Coupling for long pipes	395
Crane and hoist, portable	70

D

Dakota, wreck of	334
Dam, Aswan	486
Deaf mutes, teaching	473
Detectors, carborundum and silicon	234
Diploids	465
Dish drainer	275
Dicks, atmospheric pressure	525
Door lock	17
Double-decked streets	505
Dredge, suction, building by	435
Duryea automobile	25
Dustpan	415

E

Earth, concerning	116
-------------------	-----

Eclipse of the sun

Egypt, excavations in

Electric light plant, windmill

Electrical household devices

Electrification, N. Y. C.

Engine, Cadillac

Engines, gas for marine work

Engines, gasoline

Engines, small steam

Excavations in Egypt

Explosion, natural gas

F

Falls, Victoria

Falling bodies, illustrating

Ferry, car, Lake Erie

Fish, new

Flag holder

Flowers, artificial

Flying machine, German

Flying machines, model

Fraction disk transmission

Furnace, electrical

G

Gas engines for marine work

Gas industry

Gas lighter, electric

Gasoline engines

Gas-cutting

Gyroscope as a compass

Gyroscope, monorail

H

Haswell, Charles Haynes

Hat, silk, bow made

Heavens in January

Heavens in February

Heavens in March

Heavens in April

Heavens in May

Heavens in June

Heavens in July

Holman automobile

Hub steel

Hydraulic air-compressing plant

Hydroplane boats

Hydroplane gliding boat

I

Ice jam

Incident, dry

Illusion, curious

Illusion, optical

Insect enlargement

Intensification of paintings, optical

Inventions, ancient, modern

J

Jack, vehicle

Japanese squadron at Jamestown

K

Korn's photographic facsimile telegraphy

L

Lambs, limbless, snake-like

Lamp, uviol

Lath, sheeting

Lifeboat, motor

Lightning arrester

Lightning, ball

Liquid measure

Lock, door

Locomobile

Locomotive, Bavarian

Locomotive, express, largest

Locomotive, "John Bull"

Locomotive, Mallet

Logging, compressed air in

Lubricator for motors

Lubricators, mechanical

M

Magnetic detector

Masks and helmets, breathing

Massage machine

Masterpieces, mechanical

Matches, manufacture of in France

Medalist, art and craft of the

Mermisidae, Hippodrome

Meteor boat for amateurs

Motor boating to Jamestown

Motor boats

Motor boats, miniature

Motor, gasoline in shallow-draft vessels

Moving platform

Munn, Orson Desix

N

Nail, novel form of

O

Nasauens

Naval review

Navy, U. S. old

Negative, spider's web as a

Neptune's daughter

Nippur, tablets from

Northern automobile

P

Oiler, wheel flange

Opium industry

R

Racer, steam, accident to

Radiation, honeycomb

Rafts, sea

Rail, broken, problem

Railroad train lecture room

Florida East Coast

Razor, safety, novel

Rapid transit system

Recall check

Reflector, novel

Respirator, artificial

Ride, sight

Rocking chairs, roller appliance for

Roller bearing

S

Safety devices, exposition of

Safety devices, museum of

Sapphires, Australian

Sash lock

Satsuma, launch of

Saturn, American medal

Scoop, weighing

Seal driver

Seal industry, Labrador

Seaweed industry

Sewing machines, attachment for

Shallow-draft vessels

Shoe, horse, for racing

Shoe strap bar

Ship, amputation of

Ships, vibration of

Shock absorber tester

Shock bolder

Shutter, photographic

Signaling system, automatic railroad

Signd, sound, mariners'

Siren, talking

Skate spring

Skin, human

Sleeper and chair car

Smoke stack, felling

Snow plow, rotary

Snow shoes for wagons

Soap holder, liquid

Soil, made of metal, autogenous

Spark producer

Speed meter, auto

Speedometer

Stanchion for cattle

Star map, how to study a

Stars, morning and evening

Steam trap

Steel castings, sponges in

Steel, made of metal, autogenous

Stethoscope, facsimile

Telephone, wireless

Diphidous	*485	Hawell, Charles Hayes	*433	Metals, evaporation of	287	Railroad curve mechanics	511	Telegraphy without batteries	514																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Dish drainer	*275	Hat, silk, how made	*253	Metals, odors of	147	Railroad train lecture room	*295	Telephone, interesting use of	254																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Dishwasher, small	73	Heavenly bodies, physical constitu-		Microscope for demonstration	470	Railroad, West Shore, electrification	520	Telephone receiver	*76																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Door lock	*13	tion of	13	"Mikasa," sunk	186	Rails, broken	320	Telephone statistics	127																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Double decked streets	*205	Heavens in January	*107	Milk diet, sweet	331	Rails, steel, fluid compression for	504	Teletony, wireless	*68																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Dredge, auction, building by	*435	Heavens in February	*187	Milk, perhydral	66, 111	Railway, Florida East Coast	*412	Teraminium	*206																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Durgan automobile	*25	Heavens in March	*187	Mines, safety devices for	191	Razor, safety, novel	*510	Telesphere system	*311																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Dust, cost of laying	198	Heavens in April	*367	Mining in Newfoundland	467	Rapid transit facilities	*309	Terminal problems in New York	428																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Dustpan	*418	Heavens in May	*447	Mining in Newfoundland	*472	Rapid transit system	*283	Test plug	*236																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
E		Heavens in June	*527	Moon, water on the	370	Rail, deck	*49	Theater auditorium, shifting	*385																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Ears, concerning	*115	Heavens in July	*254	Mosman, H.		Reflector, novel	*39	Theory and practice	230																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Earthquake construction	*460	Heavens in August	*254	Moth exterminating powder	371	Respirator, artificial	*515	Throat diseases, care for	67																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Earthquake, Jamaica	97	Heavens in September	*30	Motorometers	229	Reservoirs, surface soil and	186	Tie, armored-concrete	*310																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Earth, rare	*24	Heavens in October	*46	Motor boat for amateurs	*47	Review of year 1906	4	Tide predicting machine	*89																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Eclipse of the sun	*24	Heavens in November	*191	Motor boat to Jamestown	*450	Rife sight	*275	Tide, fireproof	246																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Eggs, cause of soft-shelled	134	Heavens in December	*164	Motor boat race, Bermuda	469	Rocking chair, roller appliance	for *396	Tin, recovery of	284																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Egypt, excavations in	*245	Hydroplane boats	*495	Motor boat races	163	Roller bearing	*75	Tinol	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Electric light plant, windmill	*245	Hydroplane gliding boat	*495	Motor boat race to Bermuda	507			Tire, rubberless pneumatic	153																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Electric oscillations	236	Hydraulic air compressing plant	*225	Motor boats	*161	Tobacco raising in Philippines	*152	Electric traction, limits of	386			Motor boat show	*191	Tool, combination	*188	Electric traction vindicated	260			Motor boats, miniature	*166	Tool, useful hand	*172	Electric wire	*237			Motor cars, number of French	230	Tornadoes in Kansas	231	Electrical household devices	*95			Motor, gasoline in shallow-draft			Electrification, N. Y. C.	*65			vessels	*268	Torpedo-boat destroyers, ocean race			Electro deposition and separation	87			Motoring in the desert	*209	of	*493	Electrolysis in armored concrete	306			Motor, two-cycle	*209	Torpedo control by wireless	*260	Engine, Cadillac	*24			Moving platform	*245	Touch-me-not, Nature's	*474	Engineering societies, building	347			Munn, Orson Deatsy	*207	Touring car, Moon and Iolome, Royal	*34	Engine, small steam	*42			Music, converting into elect.	527	Touring car, Peerless	*49	Engines, alcohol	390			Newspaper, telephone	507	Touring car, White	43	Engines, gas, for marine work	*169			New York, architectural improve-		Toy, geometrical	*98	Engines, gasoline	*132			ment of	246	Transmission, rational	*426	Engines, turbine	70			Nile barrages	307	Transmission, long-distance electric	506	Erosion, gun	111			Nippur, tablets from	*232	Transmission, sliding gear	*30	Excavations in Egypt	*272			Northern automobile	*25	Transportation facilities, Chicago	*40	Explosion, natural gas	*12			Oiler, wheel flange	*13	Transmission gear	*27	Exposition, Pacific Ocean	73			Opium industry	*212	Transmission gear with double	*28	Eyeglasses as telescopes	190					clutches	*28	F						Transmission, long-distance electric	506	Factors of safety	470					Transmission, sliding gear	*30	Falling bodies, illustrating	*96					Transportation facilities, Chicago	*40	Falls, Victoria	*330					Transmission gear	*27	Ferry, car, Lake Erie	*149					Transmission gear with double	*28	Filament, new electric	86					clutches	*28	Filles, rejuvenation of	76					Transmission, long-distance electric	506	Frilling, formaldehyde useless for	151					Transmission, sliding gear	*30	Fires, smoke peril at	426					Transportation facilities, Chicago	*40	Fish, new	*196					Transmission gear	*27	Flux, treatment of	471					Transmission gear with double	*28	Flight, mechanical	*51					clutches	*28	Flute holder	*275					Transmission, long-distance electric	506	Flowers, artificial	*228					Transmission, sliding gear	*30	Flying machine, German	*252					Transportation facilities, Chicago	*40	Flying machines, model	*414					Transmission gear	*27	Flying machine, trophy, Scientific American	347					Transmission gear with double	*28	Flywheel explosion	371					clutches	*28	Foster, Sir Michael	136					Transmission, long-distance electric	506	Friction disk transmission	*26					Transmission, sliding gear	*30	Fuels, alcohol, for autos	333					Transportation facilities, Chicago	*40	Fuels, alcohol, kerosene and gasoline	127					Transmission gear	*27	Furnace, electrical	*155					Transmission gear with double	*28	G										Galvanizing, cold	94					Transmission, long-distance electric	506	Garbage and refuse as fuel	*46					Transmission, sliding gear	*30	Gas engine, after burning in	13					Transportation facilities, Chicago	*40	Gas engines for marine work	*160					Transmission gear	*27	Gas, etc., production of	43					Transmission gear with double	*28	Gas industry	*186					clutches	*28	Gas lighter, electric	*276					Transmission, long-distance electric	506	Gas producer, and steam	226					Transmission, sliding gear	*30	Gasoline engines	*102					Transportation facilities, Chicago	*40	Gatlin Lake	486					Transmission gear	*27	Geyser, artificial	331					Transmission gear with double	*28	Gila monster, bite of	87, 251, 271					clutches	*28	Glasgow and municipal ownership	227					Transmission, long-distance electric	506	Glass, quartz	330					Transmission, sliding gear	*30	Graphite and the Acheson effect	387					Transportation facilities, Chicago	*40	Grass cutter	*295					Transmission gear	*27	Gulf stream's influence on N. Y. City	124					Transmission gear with double	*28	Gun, army 34-pdr	510					clutches	*28	Gun, British, heavy	268					Transmission, long-distance electric	506	Gun, erosion, care for	46, 98, 99, 91, 306, 431					Transmission, sliding gear	*30	Gunpowder, early English	46					Transportation facilities, Chicago	*40	Gymnastics, stable	246					Transmission gear	*27	Gyroscope as a compass	*294					Transmission gear with double	*28	Gyroscope, monorail	*449					clutches	*28	Gyroscope, action of electric locomotive	511					Transmission, long-distance electric	506	Gyroscope railroad train	406					Transmission, sliding gear	*30	Gyrostat for ships	*394					Transportation facilities, Chicago	*40	H										Handwriting of authors	266					Transmission gear	*27	I										J										K										L										M										N										O										P										Q										R										S										T										U										V										W										X										Y			
Electric traction, limits of	386			Motor boat show	*191	Tool, combination	*188																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Electric traction vindicated	260			Motor boats, miniature	*166	Tool, useful hand	*172																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Electric wire	*237			Motor cars, number of French	230	Tornadoes in Kansas	231																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Electrical household devices	*95			Motor, gasoline in shallow-draft																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
Electrification, N. Y. C.	*65			vessels	*268	Torpedo-boat destroyers, ocean race																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Electro deposition and separation	87			Motoring in the desert	*209	of	*493																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Electrolysis in armored concrete	306			Motor, two-cycle	*209	Torpedo control by wireless	*260																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Engine, Cadillac	*24			Moving platform	*245	Touch-me-not, Nature's	*474																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Engineering societies, building	347			Munn, Orson Deatsy	*207	Touring car, Moon and Iolome, Royal	*34																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Engine, small steam	*42			Music, converting into elect.	527	Touring car, Peerless	*49																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Engines, alcohol	390			Newspaper, telephone	507	Touring car, White	43																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Engines, gas, for marine work	*169			New York, architectural improve-		Toy, geometrical	*98																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Engines, gasoline	*132			ment of	246	Transmission, rational	*426																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Engines, turbine	70			Nile barrages	307	Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Erosion, gun	111			Nippur, tablets from	*232	Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Excavations in Egypt	*272			Northern automobile	*25	Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Explosion, natural gas	*12			Oiler, wheel flange	*13	Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Exposition, Pacific Ocean	73			Opium industry	*212	Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Eyeglasses as telescopes	190					clutches	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
F						Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Factors of safety	470					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Falling bodies, illustrating	*96					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Falls, Victoria	*330					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Ferry, car, Lake Erie	*149					Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Filament, new electric	86					clutches	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Filles, rejuvenation of	76					Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Frilling, formaldehyde useless for	151					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Fires, smoke peril at	426					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Fish, new	*196					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Flux, treatment of	471					Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Flight, mechanical	*51					clutches	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Flute holder	*275					Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Flowers, artificial	*228					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Flying machine, German	*252					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Flying machines, model	*414					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Flying machine, trophy, Scientific American	347					Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Flywheel explosion	371					clutches	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Foster, Sir Michael	136					Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Friction disk transmission	*26					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Fuels, alcohol, for autos	333					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Fuels, alcohol, kerosene and gasoline	127					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Furnace, electrical	*155					Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
G																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Galvanizing, cold	94					Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Garbage and refuse as fuel	*46					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gas engine, after burning in	13					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gas engines for marine work	*160					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gas, etc., production of	43					Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gas industry	*186					clutches	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gas lighter, electric	*276					Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gas producer, and steam	226					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gasoline engines	*102					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gatlin Lake	486					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Geyser, artificial	331					Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gila monster, bite of	87, 251, 271					clutches	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Glasgow and municipal ownership	227					Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Glass, quartz	330					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Graphite and the Acheson effect	387					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Grass cutter	*295					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gulf stream's influence on N. Y. City	124					Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gun, army 34-pdr	510					clutches	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gun, British, heavy	268					Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gun, erosion, care for	46, 98, 99, 91, 306, 431					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gunpowder, early English	46					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gymnastics, stable	246					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gyroscope as a compass	*294					Transmission gear with double	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gyroscope, monorail	*449					clutches	*28																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gyroscope, action of electric locomotive	511					Transmission, long-distance electric	506																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gyroscope railroad train	406					Transmission, sliding gear	*30																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Gyrostat for ships	*394					Transportation facilities, Chicago	*40																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
H																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Handwriting of authors	266					Transmission gear	*27																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
I																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
J																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
K																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
L																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
M																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
O																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
P																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Q																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
R																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
S																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
T																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
U																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
V																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
W																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
X																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
Y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															

